Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/22/2017 10:21 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124386	-1	1.53	124247	1.51
Blue	F	SSC	125000	123720	-2	2.54	124066	2.28
Blue	E	FITC	23795	22838	-5	2.53	1013	10.42
Blue	D	PE	29673	29110	-2	2.07	1045	9.73
Blue	B	PerCP-Cy5-5	48943	47644	-3	3.33	1367	17.46
Blue	A	PE-Cy7	44112	43317	-2	5.17	670	35.61
Red	C	APC	54273	53202	-2	2.66	3084	9.64
Red	A	APC-Cy7	54945	53934	-2	2.81	1117	11.44
Violet	B	V450	15756	14868	-6	4.05	714	8.79
Violet	A	V500	62569	60661	-4	3.90	2685	6.28

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19709	3.69	610	-4	N/A	N/A	Pass
Blue	F	SSC	61324	1.58	543	-3	N/A	N/A	Pass
Blue	E	FITC	114	39.20	547	-3	0.0202	161	Pass
Blue	D	PE	229	28.97	545	-1	0.1652	255	Pass
Blue	B	PerCP-Cy5-5	215	45.48	636	-3	0.0093	60	Pass
Blue	A	PE-Cy7	75	119.65	693	-6	0.0119	19	Pass
Red	C	APC	363	27.56	598	-2	0.0190	22	Pass
Red	A	APC-Cy7	123	41.96	577	-7	0.0053	1749	Pass
Violet	B	V450	86	41.34	476	4	0.0502	1950	Pass
Violet	A	V500	196	23.15	505	6	0.0165	882	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.80	-31.11	0.83
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	18.03	13.27 - 19.91	N/A	N/A	31.11	31.72	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11441

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments